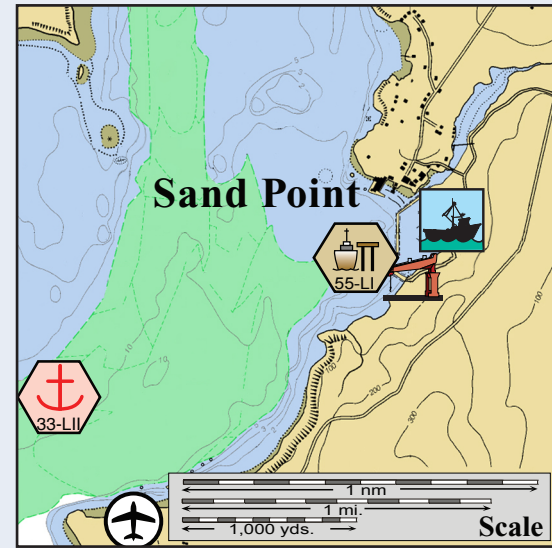
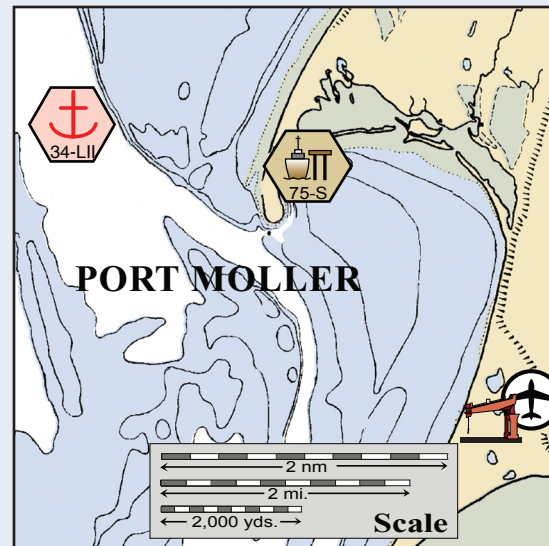


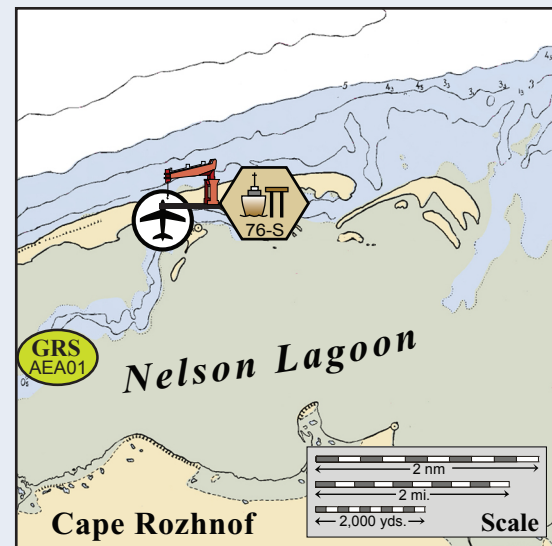
Stepovak Bay.



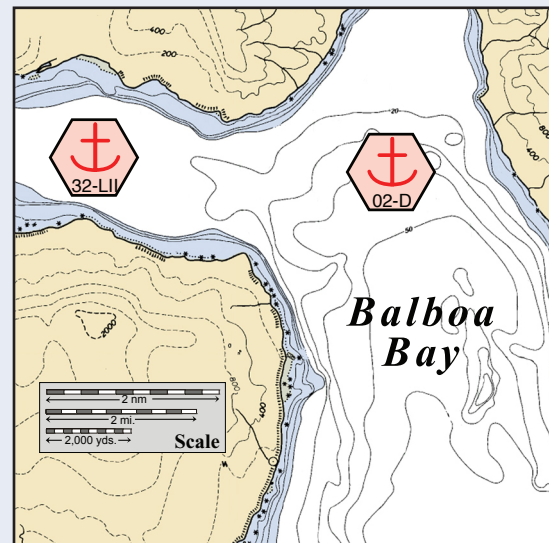
Sand Point.



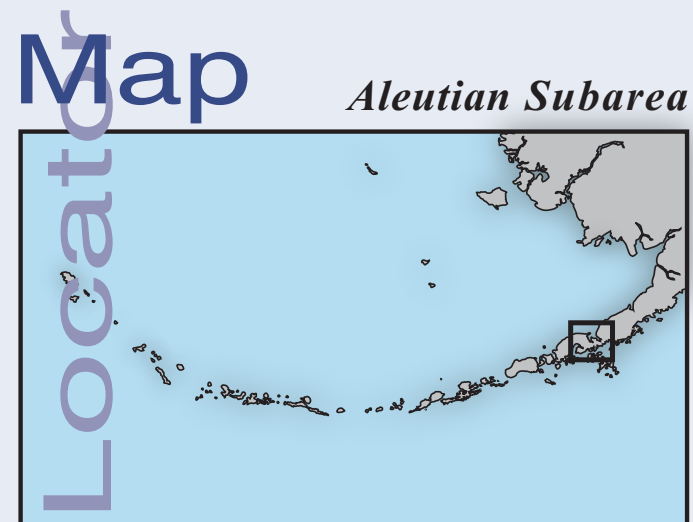
Port Moller.



Nelson Lagoon.



Balboa Bay.

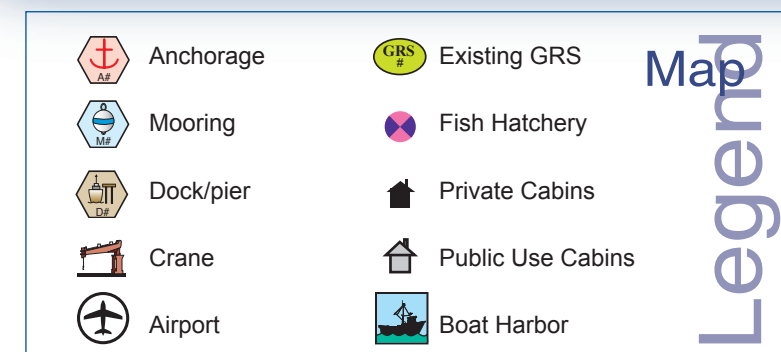


Potential Places of Refuge for Aleutians Subarea



This is not intended for navigational use.

Soundings in fathoms



Aleutian PPOR Map 01

Site Considerations for PPOR Map 01 of the Aleutian Subarea									Site ID Number and Vessel Class Classification								
	Stepovak Bay	Balboa Bay	Lefthand Bay-Balboa Bay	Popof Strait-Sand Point	Entrance Point Anchorage	Sand Point Dock	Port Moller-Cannery Dock	Nelson Lagoon	D = A deep draft vessel that exceeds 20,000 Gross Tons, has drafts of 25-60 ft. and ranges from 450 ft.- 1000 ft. LOA, typical of Tankers/ Cruiseships LII= A light draft vessel of 10,000 to 19,999 Gross Tons, has drafts up to 25 ft., LOA up to 450 ft., typical of Ferrys/Trampers LI= A light draft vessel of 300 to 9,999 Gross Tons, has drafts up to 25 ft., LOA up to 450 ft., typical of Ferrys/ Trampers S = A shallow draft vessel less than 300 Gross Tons, has a draft less than 15 ft., LOA less than 200 ft., typical of Excursion/Fishing vessels								
ID Number	01-D	02-D	32-LII	33-LII	34-LII	55-LI	75-S	76-S									
Human Health & Safety																	
Communities – distances-nm	Sand Point-42	Sand Point-15	Sand Point-16	Sand Point-0.5	Nelson Lagoon- 19	Sand Point-0.0	Nelson Lagoon- 20	Nelson Lagoon- 0.0									
Natural Resource Considerations																	
Fish & Wildlife	Spawning salmon, seals, sea otters, waterfowl concentrations, seabird and eagle nesting				Spawning salmon, seals, sea otters walrus, seabird & eagle nesting, waterfowl & shorebird concentration	Spawning salmon, seals, sea otters, waterfowl concentrations, seabird and eagle nesting	Spawning salmon, seals, sea otters walrus, seabird & eagle nesting, waterfowl & shorebird concentration										
Threatened & Endangered Species	Steller's Eider and sea otters are present																
Sensitive Areas	Not Designated			Designated as a Most Environmentally Sensitive Area (MESA 25b- ADFG)													
Invasive Species-Rats	Area is free of rats																
Other Stakeholder Considerations																	
Fisheries	Groundfish, herring, salmon, crab				Salmon	Groundfish, herring, salmon, crab	Salmon										
Historic Properties	If suspected cultural artifacts are encountered, notify the State Historic Preservation Office and the land managers. Review adjacent GRS (if applicable) for information on historic properties.																
Mariculture	None																
Subsistence	Salmon, marine mammals					Salmon, marine mammals	Salmon, marine mammals, intertidal										
Tourism/Recreation	Minimal recreational use			Local recreational use													
Waterfront Public Facilities/Parks	Alaska Peninsula National Wildlife Refuge-no facilities			Alaska Maritime National Wildlife Refuge, Small Boat Harbor, boat launch	Port Moller Critical Habitat Area	Alaska Maritime National Wildlife Refuge, Small Boat Harbor, boat launch	Port Moller Critical Habitat Area										
Waterfront Private Facilities	None			Cannery cranes and dock													
Response and Salvage Resource Considerations																	
Ability to Boom Vessel	No			Weather dependent					Yes								
Emergency Tow System	An emergency tow system is available to assist disabled vessels in Unalaska and Aleutian Subarea. Contact the USCG MSD-Unalaska-907.581.3466 and the Unalaska Harbor Master 907.581.1254 for additional information.																
Geographic Response Strategies	None							Yes									
Closest Alternative Places of Refuge (same sized vessel)	42 nm. to 02-D Balboa Bay	42 nm. to 01-D Stepovak Bay	15 nm. to 33-LII Popof Strait	15nm. to 32-LII Lefthand Bay	145 nm. to 05-D Slime Bank	2nm. to 32-LII Popof Strait	19nm to 76-S Nelson Lagoon	19nm. to 75-S Port Moller									
Stakeholders for PPOR Map 01 of the Aleutian Subarea		Physical and Operational Characteristics for PPOR Map 01 of the Aleutian Subarea															
Year-2007	Contact	Stepovak Bay	Balboa Bay	Lefthand Bay-Balboa Bay	Popof Strait-Sand Point	Entrance Point Anchorage	Sand Point Dock	Port Moller-Cannery Dock	Nelson Lagoon								
Aleutians East Borough	Mayor	01-D	02-D	32-LII	33-LII	34-LII	55-LI	75-S	76-S								
Alaska Dept of Fish & Game	Resource Manager	55°47.57'N 159°45.26'W		55°32.08'N 160°36.75'W		55°32.37'N 160°42.80'W		55°18.77'N 160°32.88'W		55°59.42'N 160°37.52'W		55°19.93'N 160°30.06'W		55°59.28'N 160°34.50'W		56°00.23'N 161°09.49'W	
Alaska Department of Natural Resources	Natural Resource Manager	Deep draft, greater than 20,000 Gross Tons			Light draft-II, 10,000 to 20,000 Gross Tons			Light draft-I, 300 to 9,999 Gross Tons		Shallow draft, 300 Gross Tons and less							
Alaska Peninsula National Wildlife Refuge	Dept of the Interior- Regional Environmental Officer	Anchorage						Dock									
Alaska Maritime National Wildlife Refuge	Dept of the Interior- Regional Environmental Officer	N/A						Harbormaster-907.383.2331		Plant Manager-907.375.2702		Native Village President- 907.989.2204					
Aleut Marine Mammal Commission	Director	Approach from SW		Approach from S		Approach from SE		Approach from the S or N		Approach from the N		Approach from the NW		Approach from the S		Approach from the SE	
City of Sand Point	Mayor	18 Fathoms in swing area		21 Fathoms in swing area		13 Fathoms in swing area		18 Fathoms in the swing area		48 Feet in the swing area		32 Feet at the dock face		6 Feet at the dock face		12 Feet at the dock face	
Bristol Bay Native Corporation	President	37 Fathoms in swing area		38 Fathoms in swing area		33 Fathoms in the swing area		27 Fathoms in the swing area		11 Fathoms in the swing area		45 Feet on approach		12 Feet at the dock face		9 Feet on approach	
Native Allotments	Dept of the Interior- Regional Environmental Officer	60 ft.			50 ft.			40 ft.		30 ft.		6 ft. tidal dependent approach		10 ft. tidal dependent approach			
Shumagin Corporation	President	6000 ft.			3000 ft.			2300 ft.		350 ft.		300 ft.		200 ft.			
Bottom Type		Mud/Sand		Mud/Shale			Sand-sticky		Sand		N/A						
Docks/Piers		Nearest Alt. Dock 06-D Dutch Harbor APL Dock			Nearest Alt. Dock- 35-LII Cold Bay Dock					Nearest Alt. Dock 75-S Nelson Lagoon		Nearest Alt. Dock 76-S Port Moller Cannery					
Moorings		Nearest Mooring - Wide Bay 06-D															
Anchorages		Nearest Alt. Anchorage-02-D Balboa Bay		Nearest Alt. Anchorage-01-D Stepovak Bay		Nearest Alt. Anchorage- 33-LII Popof Strait		Nearest Anchorage-32-LII Lefthand Bay		Nearest Anchorage-36-LII Volcano Bay		Nearest Alt. Anchorage- 33-LII Popof Strait		Nearest Alt. Anchorage- 34-LII Entrance Pt.			
Prevailing Winds		Winter-Northerly, Southeasterly Summer-Westerly, Southwesterly															
Currents		Alaska Coastal Current runs west offshore at 1 kt. Local currents are light and tidally influenced.				Tidal Currents 1-2 kts.		Alaska Coastal Current runs west offshore at 1 kt. Local currents are light and tidally influenced.		Tidal Currents 1-2 kts.							
Tides		Mean High Water- 6.8 (Higher- 7.6) , Mean Low Water- 1.3 (Lower- -3.5)		Mean High Water- 7.6 (Higher- 8.9) , Mean Low Water- 1.4 (Lower- -3.5)		Mean High Water- 6.6 (Higher- 7.8) , Mean Low Water- 1.2 (Lower- -3.5)		Mean High Water- 10 (Higher- 10.8) , Mean Low Water- 2.4 (Lower- -4.0)		Mean High Water- 6.6 (Higher- 7.8) , Mean Low Water- 1.2 (Lower- -3.5)		Mean High Water- 10 (Higher- 10.8) , Mean Low Water- 2.4 (Lower- -4.0)					
Sea Conditions		Exposed to seas from the SW		Exposed to seas from the S		Exposed to seas from the W		Exposed to seas from the SE-S		Exposed to seas from NW-NE		Exposed to seas from the SW		Exposed to seas from the SE		Protected	
Shelter from Severe Storms		Sheltered W-SE		Sheltered SW-SE		Exposed to strong W winds		Sheltered W-E		Minimal protection		Sheltered W-E, Winds from the south may be strong		Sheltered W-E		Protected	
Fog		Fog can occur during all seasons															
Sea ice		Sea ice maybe present December-March															